



Sector 88
+
AB

PTO/SB/21 (modified)

Approved for use through xx/xx/xx, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0001/PTO
Rev. 10/95

U.S. Department of Commerce
Patent and Trademark Office

Application Number

09/846,823

Filing Date

April 30, 2001

First Named Inventor

Ted E. Dunning

Group Art Unit Number

2165

Examiner Name

Not yet known

Total Number of Pages in This Submission

8

Attorney Docket Number

22227-04647

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)	<input type="checkbox"/> Issue Fee Transmittal
<input checked="" type="checkbox"/> Check Enclosed	<input type="checkbox"/> Letter to Chief Draftsperson
<input checked="" type="checkbox"/> Return Receipt Postcard	<input type="checkbox"/> Formal Drawing(s):
<input checked="" type="checkbox"/> Response to Notice to File Missing Parts	<input type="checkbox"/> [] Sheet(s) of Figure(s) []
<input type="checkbox"/> Assignment & Recordation Cover Sheet	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Declaration	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> Power of Attorney	<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Application Data Sheet	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Information Disclosure Statement & PTO-1449	<input checked="" type="checkbox"/> Copy of Notice To File Missing Parts
<input type="checkbox"/> Copies of IDS Cited References	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Request for Corrected Filing Receipt	
<input type="checkbox"/> Request for Correction of Recorded Assignment	
<input type="checkbox"/> Amendment/Response: [] Page(s)	
<input type="checkbox"/> After Final	
<input type="checkbox"/> Status Request	
<input type="checkbox"/> Revocation and Substitute Power of Attorney	

REMARKS:

SIGNATURE OF ATTORNEY OR AGENT

Signature:

Attorney/Reg. No.:

Amir H. Raubvogel / Reg. No.: 37,070

Dated: September 11, 2001

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.

Signature:

Typed or Printed Name:

Amir H. Raubvogel

Dated: September 11, 2001

Express Mail Mailing Number (optional):

22227/04647/DOCS/1206566.1

#3



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/846,823	04/30/2001	Ted E. Dunning	22227-04647

00758
 FENWICK & WEST LLP
 TWO PALO ALTO SQUARE
 PALO ALTO, CA 94306



CONFIRMATION NO. 5884

FORMALITIES LETTER



OC000000006248132

Date Mailed: 07/02/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.

*A copy of this notice **MUST** be returned with the reply.*

Ted E. Dunning
 Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/21/2001 EABUBAK1 00000014 09846823

01 FC:205

65.00 DP



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANT(S): Ted E. Dunning and Bradley D. Kindig

APPLICATION NO.: 09/846,823

FILING DATE: April 30, 2001

TITLE: Relationship Discovery Engine

EXAMINER: Not yet known

GROUP ART UNIT: 2165

ATTY. DKT. NO.: 22227-04647

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: SEP 11/01

By: Amir H. Raubvogel
Amir H. Raubvogel, Reg. No.: 37,070

BOX MISSING PARTS
COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

**RESPONSE TO NOTICE TO FILE MISSING
PARTS OF APPLICATION**

SIR:

Responsive to the Notice to File Missing Parts dated July 2, 2001 received in the above-identified patent application,

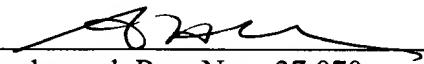
Enclosed are:

- a copy of the Notice to File Missing Parts;
- an original, signed Declaration;
- an original, signed Power of Attorney;
- an Application Data Sheet;
- payment in the amount of \$120.00 for the
- application filing fee;

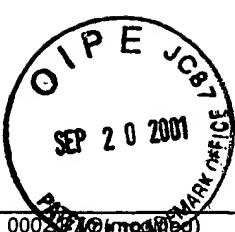
- fee for additional claims; and
- missing parts surcharge.
- Other: One-month Extension of Time
- Applicant claims small entity status under 37 C.F.R. § 1.27.

Respectfully submitted,
TED E. DUNNING AND BRADLEY D. KINDIG

Dated: Sep 11/01

By: 
Amir H. Raubvogel, Reg. No.: 37,070
Fenwick & West LLP
Two Palo Alto Square
Palo Alto, CA 94306
Tel.: (650) 858-7276
Fax.: (650) 494-1417

22227/04647/DOCS/1206569.1



COPY

PTO/SB/17 (10-00)(modified)
Approved for use through 09/29/01, OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

00024679 (10-00)
Rev. 10/2000

U.S. Department of Commerce
Patent and Trademark Office

FEE TRANSMITTAL

TOTAL AMOUNT OF PAYMENT

Subtotal (1) + Subtotal (2) + Subtotal (3) = **(\$ 120.00)**

Complete if Known

Application Number	09/846,823
Filing Date	April 30, 2001
First Named Inventor	Ted E. Dunning
Group Art Unit	2165
Examiner Name	Not yet known

Attorney Docket Number **22227-04647**

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																																							
<p>1. The Commissioner is hereby authorized to:</p> <p><input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account.</p> <p><input type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account.</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27</p>		<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> <th>Fee Due</th> </tr> </thead> <tbody> <tr> <td>105/\$130</td> <td>205/\$85</td> <td>Surcharge - late filing fee or oath</td> <td>55.</td> </tr> <tr> <td>127/\$50</td> <td>227/\$25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>147/\$2,520</td> <td>147/\$2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>115/\$110</td> <td>215/\$55</td> <td>Extension for response within first month¹</td> <td>55.</td> </tr> <tr> <td>116/\$390</td> <td>216/\$195</td> <td>Extension for response within second month¹</td> <td></td> </tr> <tr> <td>117/\$890</td> <td>217/\$445</td> <td>Extension for response within third month¹</td> <td></td> </tr> <tr> <td>118/\$1,390</td> <td>218/\$695</td> <td>Extension for response within fourth month¹</td> <td></td> </tr> <tr> <td>128/\$1,890</td> <td>228/\$945</td> <td>Extension for response within fifth month¹</td> <td></td> </tr> <tr> <td>119/\$310</td> <td>219/\$155</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>141/\$1,240</td> <td>241/\$620</td> <td>Petition to revive-unintentionally abandoned application</td> <td></td> </tr> <tr> <td>142/\$1,240</td> <td>242/\$620</td> <td>Utility Issue Fee (Or Reissue)</td> <td></td> </tr> <tr> <td>143/\$440</td> <td>243/\$220</td> <td>Design Issue Fee</td> <td></td> </tr> <tr> <td>122/\$130</td> <td>122/\$130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>126/\$180</td> <td>126/\$180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>179/\$710</td> <td>279/\$355</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>581/\$40</td> <td>581/\$40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>146/\$710</td> <td>248/\$355</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>149/\$710</td> <td>249/\$355</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td colspan="2"> Other fee (specify): Other fee (specify): SUBTOTAL (3) (\$ 120.00) </td> <td colspan="2"></td> </tr> <tr> <td colspan="2"> <p>2. CLAIMS</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>103/\$18</td> <td>203/\$9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102/\$80</td> <td>202/\$40</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104/\$270</td> <td>204/\$135</td> <td>Multiple dependent claim</td> </tr> <tr> <td>109/\$80</td> <td>209/\$40</td> <td>Reissue independent claims over original patent</td> </tr> <tr> <td>110/\$18</td> <td>210/\$9</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table> </td> <td colspan="2"> <table border="1"> <thead> <tr> <th colspan="2">(Col. 1)</th> <th colspan="2">(Col. 2)</th> <th colspan="2">(Col. 3)</th> </tr> <tr> <th>For</th> <th>No. of Existing Claims</th> <th></th> <th>Highest No. Previously Paid For</th> <th>Extra**</th> <th>Fee</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td></td> <td>minus*</td> <td>20 or 0</td> <td>=</td> <td>x</td> </tr> <tr> <td>INDEP</td> <td></td> <td>minus*</td> <td>3 or 0</td> <td>=</td> <td>x</td> </tr> <tr> <td colspan="6">[] First presentation of multiple dependent claim</td> </tr> </tbody> </table> </td> </tr> <tr> <td colspan="4"> * Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3 </td> <td colspan="2"> SUBTOTAL (2) (\$ 0) </td> </tr> <tr> <td colspan="4"> SUBMITTED BY Typed or Printed Name Amir H. Raubvogel </td> <td colspan="2"> Complete (if applicable) Reg. Number 37,070 </td> </tr> <tr> <td>Signature</td> <td colspan="3"> </td> <td>Date</td> <td>September 11, 2001</td> </tr> </tbody> </table>		Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	105/\$130	205/\$85	Surcharge - late filing fee or oath	55.	127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet		147/\$2,520	147/\$2,520	For filing a request for reexamination		115/\$110	215/\$55	Extension for response within first month ¹	55.	116/\$390	216/\$195	Extension for response within second month ¹		117/\$890	217/\$445	Extension for response within third month ¹		118/\$1,390	218/\$695	Extension for response within fourth month ¹		128/\$1,890	228/\$945	Extension for response within fifth month ¹		119/\$310	219/\$155	Notice of Appeal		141/\$1,240	241/\$620	Petition to revive-unintentionally abandoned application		142/\$1,240	242/\$620	Utility Issue Fee (Or Reissue)		143/\$440	243/\$220	Design Issue Fee		122/\$130	122/\$130	Petitions to the Commissioner		126/\$180	126/\$180	Submission of Information Disclosure Statement		179/\$710	279/\$355	Request for Continued Examination (RCE)		581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)		146/\$710	248/\$355	Filing a submission after final rejection (37 CFR 1.129(a))		149/\$710	249/\$355	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify): Other fee (specify): SUBTOTAL (3) (\$ 120.00)				<p>2. CLAIMS</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>103/\$18</td> <td>203/\$9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102/\$80</td> <td>202/\$40</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104/\$270</td> <td>204/\$135</td> <td>Multiple dependent claim</td> </tr> <tr> <td>109/\$80</td> <td>209/\$40</td> <td>Reissue independent claims over original patent</td> </tr> <tr> <td>110/\$18</td> <td>210/\$9</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table>		Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	103/\$18	203/\$9	Claims in excess of 20	102/\$80	202/\$40	Independent claims in excess of 3	104/\$270	204/\$135	Multiple dependent claim	109/\$80	209/\$40	Reissue independent claims over original patent	110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent	<table border="1"> <thead> <tr> <th colspan="2">(Col. 1)</th> <th colspan="2">(Col. 2)</th> <th colspan="2">(Col. 3)</th> </tr> <tr> <th>For</th> <th>No. of Existing Claims</th> <th></th> <th>Highest No. Previously Paid For</th> <th>Extra**</th> <th>Fee</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td></td> <td>minus*</td> <td>20 or 0</td> <td>=</td> <td>x</td> </tr> <tr> <td>INDEP</td> <td></td> <td>minus*</td> <td>3 or 0</td> <td>=</td> <td>x</td> </tr> <tr> <td colspan="6">[] First presentation of multiple dependent claim</td> </tr> </tbody> </table>		(Col. 1)		(Col. 2)		(Col. 3)		For	No. of Existing Claims		Highest No. Previously Paid For	Extra**	Fee	TOTAL		minus*	20 or 0	=	x	INDEP		minus*	3 or 0	=	x	[] First presentation of multiple dependent claim						* Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3				SUBTOTAL (2) (\$ 0)		SUBMITTED BY Typed or Printed Name Amir H. Raubvogel				Complete (if applicable) Reg. Number 37,070		Signature				Date	September 11, 2001
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																																																																																						
105/\$130	205/\$85	Surcharge - late filing fee or oath	55.																																																																																																																																																						
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet																																																																																																																																																							
147/\$2,520	147/\$2,520	For filing a request for reexamination																																																																																																																																																							
115/\$110	215/\$55	Extension for response within first month ¹	55.																																																																																																																																																						
116/\$390	216/\$195	Extension for response within second month ¹																																																																																																																																																							
117/\$890	217/\$445	Extension for response within third month ¹																																																																																																																																																							
118/\$1,390	218/\$695	Extension for response within fourth month ¹																																																																																																																																																							
128/\$1,890	228/\$945	Extension for response within fifth month ¹																																																																																																																																																							
119/\$310	219/\$155	Notice of Appeal																																																																																																																																																							
141/\$1,240	241/\$620	Petition to revive-unintentionally abandoned application																																																																																																																																																							
142/\$1,240	242/\$620	Utility Issue Fee (Or Reissue)																																																																																																																																																							
143/\$440	243/\$220	Design Issue Fee																																																																																																																																																							
122/\$130	122/\$130	Petitions to the Commissioner																																																																																																																																																							
126/\$180	126/\$180	Submission of Information Disclosure Statement																																																																																																																																																							
179/\$710	279/\$355	Request for Continued Examination (RCE)																																																																																																																																																							
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)																																																																																																																																																							
146/\$710	248/\$355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																							
149/\$710	249/\$355	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																							
Other fee (specify): Other fee (specify): SUBTOTAL (3) (\$ 120.00)																																																																																																																																																									
<p>2. CLAIMS</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>103/\$18</td> <td>203/\$9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102/\$80</td> <td>202/\$40</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104/\$270</td> <td>204/\$135</td> <td>Multiple dependent claim</td> </tr> <tr> <td>109/\$80</td> <td>209/\$40</td> <td>Reissue independent claims over original patent</td> </tr> <tr> <td>110/\$18</td> <td>210/\$9</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table>		Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	103/\$18	203/\$9	Claims in excess of 20	102/\$80	202/\$40	Independent claims in excess of 3	104/\$270	204/\$135	Multiple dependent claim	109/\$80	209/\$40	Reissue independent claims over original patent	110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent	<table border="1"> <thead> <tr> <th colspan="2">(Col. 1)</th> <th colspan="2">(Col. 2)</th> <th colspan="2">(Col. 3)</th> </tr> <tr> <th>For</th> <th>No. of Existing Claims</th> <th></th> <th>Highest No. Previously Paid For</th> <th>Extra**</th> <th>Fee</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td></td> <td>minus*</td> <td>20 or 0</td> <td>=</td> <td>x</td> </tr> <tr> <td>INDEP</td> <td></td> <td>minus*</td> <td>3 or 0</td> <td>=</td> <td>x</td> </tr> <tr> <td colspan="6">[] First presentation of multiple dependent claim</td> </tr> </tbody> </table>		(Col. 1)		(Col. 2)		(Col. 3)		For	No. of Existing Claims		Highest No. Previously Paid For	Extra**	Fee	TOTAL		minus*	20 or 0	=	x	INDEP		minus*	3 or 0	=	x	[] First presentation of multiple dependent claim																																																																																																											
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description																																																																																																																																																							
103/\$18	203/\$9	Claims in excess of 20																																																																																																																																																							
102/\$80	202/\$40	Independent claims in excess of 3																																																																																																																																																							
104/\$270	204/\$135	Multiple dependent claim																																																																																																																																																							
109/\$80	209/\$40	Reissue independent claims over original patent																																																																																																																																																							
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent																																																																																																																																																							
(Col. 1)		(Col. 2)		(Col. 3)																																																																																																																																																					
For	No. of Existing Claims		Highest No. Previously Paid For	Extra**	Fee																																																																																																																																																				
TOTAL		minus*	20 or 0	=	x																																																																																																																																																				
INDEP		minus*	3 or 0	=	x																																																																																																																																																				
[] First presentation of multiple dependent claim																																																																																																																																																									
* Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3				SUBTOTAL (2) (\$ 0)																																																																																																																																																					
SUBMITTED BY Typed or Printed Name Amir H. Raubvogel				Complete (if applicable) Reg. Number 37,070																																																																																																																																																					
Signature				Date	September 11, 2001																																																																																																																																																				